

110

CA

Effect of surface-active substances on transfer of water into a plant cell. L. N. Mozhacova (K. A. Timirazev Agr. Acad. Moscow). *Doklady Akad. Nauk S.S.R.* 57, 509-12 (1947).—iso-PrOH, iso-BuOH, and iso-AmOH used as surface-active materials in aq. solns. of various concns. change the uptake of H₂O by young sprouts of the sunflower. At low concns. (0.6, 0.13, and 0.03%^c, resp., or under) the effect is stimulating the uptake of H₂O; at higher concns. the uptake is lowered by 15-20%. At higher concns. the alc.s can partly inhibit the stimulating action of heteroauxin on H₂O assimilation. Generally, most active H₂O uptake by the plant occurs during the period of max growth of the cells. When osmosis is the sole mechanism for H₂O uptake, alc.s. display no effects G. M. Kosolapoff

CA

110

Effect of heteroauxin on colloidal-chemical properties of protoplasm of onion cells. L. V. Moshanova. Compt. rend. acad. sci. U.R.S.S. 50, 1187-90 (1948). — Sections of inner leaves of onion bulbs were floated in 0.0001-0.2% heteroauxin saline for 1 min. to 12 hrs., depending on the concentration. In all cases swelling of the protoplasm took place, causing rounding of the cells, and the protoplasm remaining after plasmolysis formed large, coarsely granular aggregates; the nucleus also increased in size. The effects are reversed by immersion in H₂O; the time needed for reversal is proportional to the concentration and duration of action of heteroauxin. Heteroauxin appears to act by increasing the dispersion and hydration of protoplasmic colloids, and by increasing the permeability of the cell membrane to H₂O. B. A.

11D

CA

Effect of salts and sucrose on entry of water into young plant cells. L. V. Moshneva, K. A. Timiryazev. Agr. Acad., Moscow. Doklady Akad. Nauk S.S.R. 72, 1167-70 (1950).—Sand cultures of sunflower plants showed the following declines of H_2O entry on addition of other substances to the medium: 20-5% with 0.1-0.2 M sucrose, 40% with 0.3 M, 104% with 0.4 M and 153% with 0.6 M, and 60% with 0.2 M KNO_3 . The declines were 100% greater in closed vessels than in open ones in small-scale plant-segment expts.; this indicates the importance of aeration. The nature of the salt ions is of great importance as shown by following K salts used in 0.01 M concn. with segments of young sprouts (given as % H_2O increase): CNS^- -80, I^- -27.8, NO_3^- -13.4, Cl^- 18.0, AcO^- 21.0, SO_4^{2-} 66.0. Use of 0.01 N chlorides and nitrate with varying cations showed that K was a weak stimulant for H_2O entry while Ca was a severe depressant, while at isotonic concn. K was inactive while Ca was still depressive. Mg was a stimulant at 0.001 M, repressant at higher concns. Ag, Hg, Fe, and to lesser extent Mn and Cu act repressively. $CaCl_2$ showed a repressive action similar to that caused by surface-active substances: active only on actively growing sprouts and inactive with static segments. The results indicate a nonosmotic nature of H_2O entry into plant cells. G. M. K.

MOZHAYEVA, L.V., kand. biolog. nauk, dotsent; ZHUKOVA, G.M., aspirant

Microscopic observation of mitochondria in plant cells. Izv.
TSKHA no.1:29-37 '63. (MIRA 16:7)

(Mitochondria) (Plant cells and tissues)

MOZHAYEVA, L.V.; ZHUKOVA, G.M.

Microscopic observations of the mitochondria in plant cells. Dokl.
AN SSSR 148 no.6:1415-1417 F '63. (MIRA 16:3)

1. Predstavleno akademikom A.L.Kursanovym.
(Mitochondria) (Plant cells and tissues)

MIL'NIKOV, L.V., cand. biolog. nauk, dozent; KUIN MY-YUY (Huang Mu-yü),
cand. biolog. nauk; TSARKOV, L.I., starshiy laborant.

Effect of heterauxin on the excretion of sap by sunflower roots.
Izv. TSKhA n°.5:47-58 '63. (Mikro 117)

MOZHAYEVA, L.V., dotsent, kand. biologicheskikh nauk; ZHUKOVA, G.M.,
aspirantka

Plant mitochondria and their participation in the absorption of
water by roots. Izv. TSKHA no.3:87-97 '64.

(MIRA 17:11)

1. Kafedra fiziologii rasteniy Moskovskoy sel'skokhozyaystvennoy
akademii imeni Timiryazeva.

MOZHAYEVA, V.G.

Morphogenetic classification of the lows of the Volga-Sarpa
interfluve. Izv. AN SSSR. Ser. geog. no.6:35-39 N-D '65.

(MIRA 18:11)

1. Laboratoriya aerometodov Gosudarstvennogo geologicheskogo
komiteta SSSR.

AUTHOR

Mozhaleva V.G.

RA - 3171

TITLE

On the Problem of the Neotectonics of the Ufa Cratonic-Anticline.

(K voprosu o neotektonike Ufimskogo plakantiklinala -Russian)

PERIODICAL

Doklady Akademii Nauk SSSR, 1957, vol 113, pp 657-660 (U.S.S.R.)

Received 6/1957

Reviewed 7/1957

ABSTRACT

New data are given concerning the connection between the ground formation of the plateau and the tectonics as well as on the tectonic movements of the cratonic-anticline of Ufa in the neogen quaternary. The vaulted part of the Ufa cratonic-anticline is somewhat more complicated by the dome-like structure of third order. The plateau-parts connected with the vaults of the structure of third order are characterized by an essentially greater analysis of the ground-formation according to the vertical (50-120m/km).

It is, however, equal at the western and eastern ends of the Ufa elevation and amounts to 50/-60, 40-50 m.km respectively. Its position in many respects determines the picture of the present hydrographic net. The influence of tectonics of the formation of the platforms of the Aya and Yuryuzan rivers and on the character and distribution of the alluvium of these is of special interest. It is shown that the heights of the tertiary platforms within the Yuryuzan Silven depression and the increase of height of these platforms in the axial zone of the elevation of Ufa is due to the tectonic structure. The amplitude of the alteration of height of comparable platforms is the greater the older the platform is, (in the case of the 5th it is 60 m, in the case of the 7th 40 m, and in the case of the 6th 20 m) which is to be considered as a consequence of the different duration of parti-

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On the Problem of the Neotectonic of the Ufa Cratonic- PA - 3171
Anticline.

cipation of the platforms in the elevation. Such alterations are also characteristic of the upper and middle quaternary platforms. Beside the alterations of platform heights also alterations in conformity with the course of nature take place in the composition and thickness of the alluvium. This is most clearly shown by the example of the quaternary platforms of the Aya river. The alteration of the thickness of the alluvium as well as its granulometric and petrographic composition is observed in the middle and upper quaternary deposits of the Aya valley.
(With 3 illustrations, 3 slavic references).

ABSTRACTATION
PRESENTED BY SHATSKIY N.B., Member of the Academy
SUBMITTED 5.7.1957
AVAILABLE Library of Congress
Cart. 272

41.6000

S/058/62/000/003/033/092
A061/A101

AUTHORS: Kahskarov, L. L., Ivanenko, V. M., Cherdynsev, V. V., Mozhayeva,
V. G., Nurozhin, N. N., Khomenko, G. S., Gafurov, V. O.

TITLE: Non-conservation of parity in nuclear fission by cosmic ray μ^- -mesons

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1962, 50, abstract 3B415
("Sb. nauchn. rabot Kafedry optiki i Kafedy eksperim. fiz. Kazakhsk.
un-t.", 1960, no. 2, 43 - 57)

TEXT: A device for measuring the spatially asymmetric departure of neutrons
emitted when slow cosmic ray μ^- -mesons are captured by atomic nuclei is described.
Provisional results are presented.

[Abstracter's note: Complete translation]

Card 1/1

SHUL'TS, Sergey Sergeyevich, doktor geol.-miner. nauk; MOZHAYEV, Boris Nikolayevich; MOZHAYEVA, Valentina Grigor'yevna; RUKOYATKIN, Anatoliy Arkad'yevich; DULIVC-LGBRC VOL'SKIY, Anatoliy Vasil'yevich; PALITSYN, Nikolay Dmitriyevich; PONOMAREV, Yevge iy Vasil'yevich; SHENGER, I.A., red. izd-va; ZAMARAYEVA, R.A., tekhn. red.

[Sudoma Upland; geological and geomorphological outline]
Sudomskaia vozvyshennost'; geologo-geomorfologicheskii ocherk.
[By] S.S. Shul'ts. i dr. Moskva, Izd-vo AN SSSR, 1963. 118 p.
_____[5 fold diagrs.] (MIRA 16:10)
(Sudoma Upland--Geology)

MOZHAYEV, B.N.; MOZHAYEVA, V.G.

Stepped relief in the region of the Valday glaciation. Izv. AN
SSSR. Ser. geog. no.3:52-59 '64. (MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy
geofiziki Geologicheskogo komiteta SSSR i Laboratoriya aero-
metodov AN SSSR.

NAZAROVA, N.I.; MOZHAYEVA, V.I.; KARYMSHAKOV, M.

Utilization of oxidized coal of Kirghizistan in the national
economy. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 3 no.2:
89-92 '61. (MIRA 16:7)

(Kirghizistan—Coal)

NAZAROVA, N.I.; MOZHAYEVA, V.I.

Mechanism of coal oxidation by nitric acid. Izv. AN Kir. SSR.
Ser. est. i tekhn. nauk 3 no.2:83-88 '61. (MIRA 16:7)

(Nitric acid) (Coal) (Oxidation)

S/205/61/001/004/026/032
D298/D303

AUTHOR: Mozhayeva, V. S.

TITLE: The development of economically promising mutants in winter wheat exposed to gamma-irradiation

PERIODICAL: Radiobiologiya, v. 1, no. 4, 1961, 604-610

TEXT: In the present work, ionizing radiation was used in the selection of winter wheat. Since there are indications that hybrid plants are highly mutable, five varieties of winter wheat were used to develop mutants. The winter wheat varieties were: wheat-couch grass hybrids No. 1, 186 and 99; trigeneric hybrid 557 (developed from wheat x couch x rye); and Ul'yanovka. In 1956 the air-dried seeds of these varieties were irradiated with Co⁶⁰ gamma-radiation in doses of 10, 15 and 20 kr at an intensity of 650 r/min. In the fall of 1956, the irradiated seeds were sown under field conditions. A detailed description of the various mutants obtained in the course of 4 years of selection is given. Analysis of the results shows that the hybrid varieties were more mutable

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The development of...

S/205/61/001/004/026/032
D298/D303

than the Ul'yanovka non-hybrid. A higher percentage of economically useful mutations were obtained with a radiation dose of 10 kr than with the higher doses of 15 and 20 kr. Erectoid and large-spike mutants were obtained which proved resistant to fungoid diseases, had a high spike productivity, a heightened protein content in the grain, and other useful characteristics. A plant resistant to Erysiphe graminis was obtained; this is of exceptional importance for the non-black-earth zone. The authors recommend the use of ionizing irradiation in the selection of wheat as a method which gives economically useful results in a comparatively short period of time. The author was assisted in her work by G. D. Lapchenko, V. V. Khvostova and B. N. Sidorov. There are 5 figures, 4 tables and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publication reads as follows: I. MacKey, Sympos. Biol., Brookhard, 9, p. 141, 1956.

ASSOCIATION: Institut biologicheskoy fiziki AN SSSR (Institute of Biophysics, AS USSR), Moscow

SUBMITTED: March 5, 1961

Card 2/2

✓

MOZHAYEVA, V. S., EYGES, N. S., and KHVOSTOVA, V. V.,

"Effectiveness and Specificity of Ionizing Radiations and Some Chemical Substances
in Inducing Mutations in Winter Wheat."

report submitted for 11th Intl. Congress of Genetics, The Hague, Netherlands,
2-10 Sep 63

L 19453-63

EEO-2/ES(v) EWT(1)/FCC(w)/FS(v)-2/BDS/ES(a)/ES(j)/ES(c)/ES(k)/ES(t)-2/
AFFTC/AMD/AFMDC/ESD-3 Pb-4/Pi-4/Po-4/Pq-4/Pe-4 TT/A/RD/DD
ACCESSION NR: AP3007352 S/0293/63/001/001/0186/0191

AUTHOR: Khvostova, V. V.; Gostimskiy, S. A.; Mozhayeva, V. S.; Nebzgodina, L. V. *K3* *SQ*

TITLE: Further study of the influence of conditions of space flight *2*
on chromosomes of primary roots of pea and wheat sprouts

SOURCE: Kosmicheskiye issledovaniya, v. 1, no. 1, 1963, 186-191

TOPIC TAGS: space flight effect, chromosome reconstruction, 660
Mev proton, cobalt 60 Gamma ray, Vostok 1, Vostok 2, Vostok 3,
Vostok 4

ABSTRACT: Dry seeds of winter wheat (PPG-186) and peas ("Kapital" variety) were exposed to effects of space flight on the four Vostok spaceships. A cytological analysis of the sprout roots of seeds indicated that exposure to space flight resulted in a small but statistically significant increase in chromosome reconstructions. The percentage of reconstructions does not depend on the duration of flight. More reconstructions were found in seeds flown in Vostok-2 *2* than in seeds flown in Vostok-3, in which there was a distinct,

Card 1/2 *V*

L 19453-63
ACCESSION NR: AP3007352

but not statistically significant increase. There was no increase in the number of reconstructions in seeds flown in Vostok-4. Control seeds were subjected to radiation and vibration in an attempt to identify which aspects of space flight were responsible for the increase. Exposure to vibration (70 cps; amplitude, 0.4 mm) for 4 hr did not increase the number of reconstructions. Exposure of seeds to 660-Mev protons (dose 1940 rad; rate, 43/min) was no more effective as far as the number of reconstructions is concerned than exposure to Co⁶⁰ γ -rays (dose, 1940 rad; rate, 289/min). Orig. art. has: 4 tables.

ASSOCIATION: none

SUBMITTED: 24Apr63

DATE ACQ: 21Oct63

ENCL: 00

SUB CODE: AM

NO REF SOV: 007

OTHER: 001

Card 2/2

1-59574-65
ACCESSION NR: AP5015735

UR/0205/65/005/003/0440/0445
577.24:58,039.1

17
B

AUTHOR: Khvostova, V. V.; Mozhayeva, V. S.

TITLE: Mutagenic effect of gamma rays and fast neutrons on winter wheat seeds

SOURCE: Radiobiologiya, v. 5, no. 3, 1965, 440-445

TOPIC TAGS: gamma ray, fast neutron, seed, chromosomal aberration, mutation, mitosis, wheat

ABSTRACT: Analysis of the first generation of winter wheat plants (PPG-186 variety) revealed that after the seeds were irradiated with fast neutrons, the shoots overwintered much more poorly than they did when the seeds were irradiated with gamma rays. Gamma rays in doses of up to 500 r produced an insignificant number of chromosomal aberrations in the first mitoses of the roots. The RBE of 1 rad of fast neutrons was over 40 (as compared with about 10 for animals). A comparison of the maximum mutagenic effect of fast neutrons and gamma rays showed that neutrons produced approximately 5 times as many mutations. Both actions resulted in useful mutations. The gamma rays gave rise to large-eared winter wheat forms that proved to

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L 59574-65

ACCESSION NR: AP5015735

D
be resistant to a variety of fungus diseases (rust, powdery mildew, smut). Forms with short, sturdy straw resulted from the action of the neutrons. One of them was also resistant to rust. Orig. art. has: 2 figures, 4 tables.

ASSOCIATION: Institut biologicheskoy fiziki AN SSSR, Moscow (Institute of Biophysics, AN SSSR)

SUBMITTED: 21May64

ENCL: 00

SUB CODE: LS, NP

NO REF Sov: 012

OTHER: 004

04
Card 2/2

MULHAN, J. P.

Utilization of radiation-induced mutants of *Candida albicans* in breeding work. Genetika No.1:173-178 1955.

P. Institut biologicheskoy fiziki AN SSSR, Moscow.

KARYAGINA, Z.V.; MOZHAYEVA, V.Ye.

Emission spectrum of sodium in twilight. Vest. AN Kazakh. SSR 21
(MIRA 18:3)
no.2:75-77 F '65.

MOZHAYEVA, Ye.; RYABKOVA, I.

Luminescent fluorite from Bukuksa and Belukha tungsten deposits in
Eastern Transbaikalia. Biul. SSO LGU no.1:70-72 '58.

(MIRA 13:6)

(Transbaikalia--Fluorite)

MOZHAYKIN, A. A.

Geography - Study and Teaching

Studying local lore during geography lessons.
Geog. v shkole, No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

REYBAKH, M.S.; TSIRLIN, A.M.; MOZHAYKIN, A.S.; BORISOV ~~M.F.~~; TISHINA, N.N.

Studying the continuous process of cohydrolysis of organosilicon monomers used for the manufacture of electric insulation lacquers.
Lakokras.mat. i ikh prim. no.2:64-67 '64. (MIRA 17:4)

HONOLULU, U.S.

The MOB-M rank of major general. Final technical inform.
Gov. much interested in tech. inform. 17 May 918-40 S 164
(MIA 18:1)

MOZHAYKIN, Ye.N.

Remarks on K.P.Voskresenskii's work "Flow of rivers and temporary streams in forest-steppe and steppe zones of European U.S.S.R."
Reviewed by E.N.Mozhaikin. Meteor.i gidrol. no.2:58-59 F '53.

1. Kurskoye UGMS

(MIRA 8:9)

(Bunoff) (Voskresenskii, K.P.)

MCZHAYKIN, Ye. N.

"Problem of Calculating the Maximum Discharges of Water of Springtime Runoff Along the Runoff Stratum," Meteorol. i gidrologiya, No 7, 1953, p 36

The author makes more precise the formula of K. P. Voskresenskiy for small rivers of the Kursk region (Trudy Gos. gidrol. in-ta [Works of the State Hydrologic Institute], No 29, 1951). (RZhGeol, No 5, 1954)

SO: Sum. No. 568, 6 Jul 55

MOZHAYKIN, Ye.N.

Present-day role of the chief of a hydrological station in studying
river conditions. Meteor.i gidrol. no.9:43-44 S '56. (MLRA 9:11)
(Hydrology) (Rivers)

L 51875-65 EWI(m)/EPF(c)/EMP(j)/T PC-4/PR-4 RM
ACCESSION NR: AP5010549

UR/0064/65/000/004/0015/0017
661.718.5-932

25

B

AUTHORS: Reybakh, M. S.; Tsirlin, A. M.; Mozhaykina, A. S.; Kleshchevnikova, S. I.

TITLE: A continuous method of producing tetraethoxysilane

SOURCE: Khimicheskaya promyshlennost', no. 4, 1965, 15-17

TOPIC TAGS: tetraethoxysilane, reactor, organic synthesis/NIMO 28 alloy

ABSTRACT: The authors first summarize data from the literature on methods of preparing tetraethoxysilane, and then discuss a method they have studied for continuous synthesis of the compound, with increased yield of the desired product. A film reactor was used, the setup of which is illustrated in Fig. 1 on the Enclosure. Silicon tetrachloride and absolute ethyl alcohol are introduced from containers (1 and 2) into the mixer (3) which is mounted in the reaction chamber (4) of the film column (5). The column was prepared from NIMO-28 alloy: 23 mm in diameter, 2.5 m high. The reaction mixture pours over the lip of the column, uniformly spreading over the inner surface of the column and forming a thin downward-flowing film. A counter current of nitrogen passes through the column from

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L 51875-63

ACCESSION NR: AF010549

the reducer (6) and the drier (7), which is filled with zeolite. A heating jacket (8) permits warming of the downward-flowing liquid. From the collecting chamber the product-raw material is ready for rectification. Hydrogen chloride and nitrogen are removed from the column through a reflux condenser (12) cooled by brine. Experiments show that the yield of chloroethers declines markedly with increase in excess of alcohol. Several comparative tests were made, and it is concluded that the method proposed is very promising. The yield of tetraethoxysilane may amount to 90-95% of the initial silicon tetrachloride, and this method considerably reduces the amount of equipment and the expense of rectification. Orig. art. has: 2 figures, 2 tables, and 2 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: OC, GC

NO REF Sov: 009

OTHER: 002

c1

Card 2/3

L 51875-65

ACCESSION NH: AP5010549

ENCLOSURE: 01

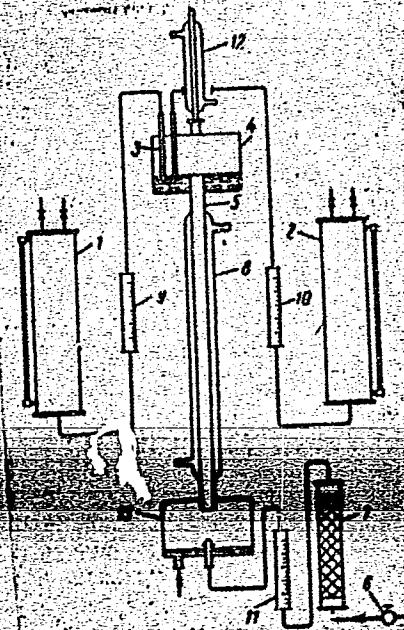


Fig. 1. Pilot setup for synthesis of tetraethoxysilane

1- container for silicon tetrachloride; 2- container for absolute ethyl alcohol;
3- mixer; 4- reaction chamber;
5- film column; 6- reducer;
7- drier; 8- jacket;
9,10,11- float meters;
12- reflux condenser;
13- collecting chamber

Card 3/3

L 1301-1-66

ACC NR: AP6000318

SOURCE CODE: UR/0356/65/000/010/0045/0047

AUTHOR: Mozhayskiy, B. (Engineer)

ORG: Republican Union of Rossel'khoztekhnika (Respublikanskoye
"Rossel'khoztekhnika")

14

TITLE: Mobile workshop for servicing farms

B

SOURCE: Tekhnika v sel'skom khozyaystve, no. 10, 1965, 45-47

TOPIC TAGS: agricultural machinery, motor vehicle, agricultural engineering,
maintenance vehicle

ABSTRACT: A mobile workshop MT0-Zh-51/63 has been designed for servicing mechanized livestock farms. The workshop is mounted on the bed of the GAZ-51N or GAZ-63 truck. The hood of the workshop is all-metal and has a left-side and right-side door, loading platform, and ventilation ports. Five men operate the workshop. The equipment of the workshop makes it possible to dismantle and adjust the units, assemblies, and piping of the milking machines, wash them with detergent and disinfecting solutions by the forced circulation method; to determine the output of vacuum and milk lines for leaks; to check the air-tightness of the refrigeration units by a halogen burner; to measure the resistance of the insulation of the wiring, strength and voltage of the current, resistance and capacitance in the circuits; to detect the presence of voltage in the electrical appliances and in the d-c and a-c circuits. The workshop can also do repair-assembly, plumbing (with hydraulic

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UDC: 636.002.5

L 13023-66

ACC NR: AP6000318

testing), electric-welding and plating work, as well as gas welding and cutting of metal. Orig. art. has: 1 figure.

SUB CODE: 02, 13 / SUBM DATE: none

jru

Card 2/2

MOZHAYKO, F.V.

Chemical Abst.
Vol. 48 No. 4
Feb. 25, 1954
Biological Chemistry

Preparation of 6-phosphofructokinase in highly purified form. S. A. Nezhakh, M. P. Mel'nikova, and F. V. Mozhayko. Doklady Akad. Nauk S.S.R. 91, 557-60 (1953).—The following scheme yields 6-phosphofructokinase in the form of almost homogeneous catalytically active protein. The back and hind leg muscles of killed rabbit are minced in the cold and extd. 30 min. with 1 vol. cold H₂O, then with 0.5 vol. cold H₂O 15 min. The exts. are filtered through cloth, treated with (NH₄)₂SO₄ until 0.3 satd., filtered and the filtrate is treated with (NH₄)₂SO₄ until 50% satd., yielding a filtrate with pH 5.8-6.0. The filtrate is now discarded and the ppt. taken up in H₂O. Adjustment with 5% NH₄OH to pH 8-8.2 is followed by agitation 2-3 min. at 57°, followed by rapid cooling. The flocculent ppt. of protein matter is filtered off by suction and discarded. The filtrate is acidified with 0.5M AcOH to pH 5-5.2 and the ppt. of denatured proteins is filtered off and discarded. The filtrate is immediately adjusted with 5% NH₄OH to pH 6.8-7.0 and treated with satd. (NH₄)₂SO₄ previously adjusted to pH 8.3-8.5 with NH₄OH, adding 0.8 vol. sulfate soln. to 1 vol. filtrate, thus achieving 0.44 level of satn. The ppt. formed is the most active protein fraction. Its activity is detd. readily by dutn. of the amt. of fructose-1,6-diphosphate formed from fructose-phosphate with the aid of pure aldolase in conjunction with NaCN to capture the triose phosphate formed. The above purification scheme permits concn. of the enzyme by a factor of 25. Ultracentrifugal examn. of the final product gave sedimentation const. $S = 6.88 \times 10^{-11}$ sec. Thus the product is a globulin, with mol. wt. approaching that of serum γ -globulins. A widening of the sedimentation

peak suggests admixt. of some partially denatured protein. The enzyme has optimum activity at pH 7.2-7.3. Dissociation const. of enzyme-substrate complex is $1 \times 10^{-3} M$. Molar activity at 37° is low: some 300 moles of substrate per 10⁶ g. protein. The enzyme is free of other enzymatic activity except myokinase and phosphohexose isomerase. It also is capable of transfer of phosphate from adenosine triphosphate to glucose-6-phosphate. Complete removal of phosphotriphosphatase was achieved by a second heat treatment at 68°, which completely inactivated the latter enzyme, while 73% kinase activity was retained. The product was active thus in phosphate transfer from adenosinetriphosphate to fructose-6-phosphate but not to glucose-6-phosphate. The trace of myokinase could not be removed.

G. M. Kosolapoff

Mozhayskaya, T.T.

REF ID: A9626008
007/2713

200 International Conference on the Potential Uses of Atomic Energy - 2nd, Geneva, 1958

Meeting of Soviet Scientists, publishing organization, 1, Moscow, printed especially.
(Report of Soviet Scientists; Nuclear Fuel and Reactor Metals) Moscow, Atomizdat, 1959. 670 p. (series: 1st; Crude, vol. 3, 0,000 copies printed.)

Ed. (Title page): A.I. Shchukin, Academician, A.F. Vinogradov, Academician, V. V. Tsvetkov, Corresponding Member, USSR Academy of Sciences; and A.I. Sosulin, Doctor of Technical Sciences; Ed. (title book): V.V. Vinogradov and G.I. Poblitsevskaya Tech. Ed.; E.I. Basov).

CONTENTS: This volume is intended for scientists, engineers, physicists, and technicians working in the production and peaceful application of atomic energy, for students of schools of higher education, for people interested in atomic energy, and for people interested in atomic science and technology.

CONTENTS: This is volume 1 of a two-volume set of reports on atomic energy, presented by Soviet scientists at the Second International Conference on the Development of Peaceful Uses of Atomic Energy, held in Geneva from September 1 to 13, 1958. Volume 1 consists of two parts. The first part, edited by A.I. Zubov, is devoted to geology, prospecting, construction, and operation of nuclear power plants, reactors, facilities, and processing of nuclear raw materials. The second part, edited by G.I. Vinogradov, deals with metallurgy, technology of nuclear fuels and separation, radiobiology, processing technology of nuclear fuels and separation, and neutron irradiation effects on metals. The titles of individual papers is not always correlated with their content in the original English language edition or the Chinese proceedings. See 007/260 for the titles of the other volumes of the series.

Editor, A.I. Zubov, I.I. Kupriyanov, I.A. Poblitsevskaya, D.O. Vinogradov, L.S. Shchukina, L.S. Kupriyanova, Problems of Processed Fission Products and Their Applications (Report No. 2019)

Editor, A.I. Vinogradov, Structure and Properties of Ferromagnetic Alloys (Report No. 2046)

Editor, O.I. Vinogradov, I.F. Grishanovich, Mechanical Properties of Ferromagnetic Alloys (Report No. 2045)

Editor, N.B. Pashin, A.I. Vinogradov, Mechanical Properties of Ferromagnetic Alloys at Room and Elevated Temperatures (Report No. 2051)

Editor, I.L. Shchukin, A.I. Vinogradov, and I.I. Vinogradova, Electron Diffraction and Elastic Investigations of the Structure Functions of Ironium and Dose of the Alloy (Report No. 2049)

Editor, I.L. Shchukin, A.I. Vinogradov, I.I. Vinogradova, and A.V. Tikhonov, Mechanical Properties and Correlation of the Structure of Zinc Oxide and Its Alloys in Water, Steam, and Gases at High Temperatures (Report No. 2054)

CONT. 6/11

MOZHAYSKIY, A. F.

May 49

USSR/Academy of Sciences
Engineering Sciences

"Proceedings in the Department of Technical Sciences" 4 pp

"Vest Ak Nauk SSSR" No 5

Gives review of Acad. L. D. Shavyakov's monograph, "Basic Theory of Designing Coal-Mining Shafts," and a synopsis of the accomplishments of A. F. Mozhayskiy, alleged inventor of world's first airplane which was first tested 20 Jul 1902.

PA 50/49T10

MOZHAYSKIY, A.S., inzh.

Efficient method of assembling transhipment cranes. Mont.i spets.
rab.v stroi. 23 no.6:26-27 Je '61. (MIRA 14:7)

1. Kuybyshevskoye montazhnoye upravleniye tresta Soyuzprommekhanizatsiya.
(Kuybyshev—Cranes, derricks, etc.)

AVERBUKH, Ye.S.; BLAZHKOV, G.I.; MOZHAYSKIY, V.M.; TIMOFEEV, N.N.

Polyetiological genesis of diseases in wartime and the problem of asthenias. Trudy Gos. nauch.-issl. psichonevr. inst. no.20:77-85 '59.
(MIRA 14:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy psichonevrologicheskiy institut imeni V.M. Bektereva, Leningrad.
(ASTHENIA) (NERVOUS SYSTEM—DISEASES)
(WORLD WAR, 1939-1945—MEDICAL AND SANITARY AFFAIRS)

MOZHAYSKIY, Ye.D. (Leningrad, Botkinskaya ul., d.1, kv.95)

Peritoneoscopy in the diagnosis of diseases of the stomach and liver.
Vest.khir. 83 no.8:21-30 Ag '59. (MIRA 13:1)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. P.N.
Napalkov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo
instituta.

(LIVER DISEASES diag.)
(STOMACH dis.)
(ENDOSCOPY)
(PERITONEUM diag.)

MOZHAYSKIY, Ye.D. (Leningrad, Botkinskaya ul., d.1, kv.95)

Role of peritoneoscopy and biopsy in the diagnosis of liver cirrhosis. Vest.khir. no.4:78-83 '61. (MIRA 14:4)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. P.N. Napalkov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(LIVER—CIRRHOSIS)

MOZHAYSKIY, Ye.D. (Leningrad, K-9, Botkinskaya ul., 1, kv.95)

Significance of peritoneoscopy in the diagnosis of cancer of the
liver. Vop. onk. 7 no. 4:74-75 '61. (MIRA 14:4)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. P.N.
Napalkov) Leningradsogo sanitarno-gigiyenicheskogo meditsinskogo
instituta.

(PERITONEOSCOPE) (LIVER--CANCER)

MOZHAYSKIY, Ye.D. (Leningrad, Botkinskaya yl., d.1, kv.95)

Study of blood circulation in the portal and hepatic ~~vain~~ system
in portal hypertension. Vest.khir. no.9:55-61 '61.

(MIRA 15:3)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. P.N.
Napalkov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo
instituta.

(PORTAL HYPERTENSION) (BLOOD--CIRCULATION, DISORDERS OF)

MOZHAYSKIY, Ye.D.

Conservative resection of the stomach following an earlier gastro-enteroanastomosis for peptic ulcer. Sov. med. 25 no.11:62-65 N '61.
(MIRA 15:5)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. P.N. Napalkov)
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.
(PEPTIC ULCER) (STOMACH—SURGERY)

MOZHAYSKII, Ye.D.

Use of some surgical operations in treatment of the disease of portal hypertension. Ural'ye ISMI 7-1961 10-1961

Anesthesia in peritoneal cavity. Ibiritskii et al

MIRAN 1961

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135510008-7

SHAKHNOVA, N.A.; VIKHANSKY, Ye.T.

"Exclusive interview with General Secretary of the Central Committee of the CPSU, Gorbachev."

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135510008-7"

LIPSKIY, A. Ya. (Leningrad); MOZHAYSKIY, Ye.D. (Leningrad)

Second All-Russian Congress of Surgeons. Vestn. khir. Grekov. 90
no.4:146-149 Ap'63 (MIRA 17:2)

MOZHAYTSEV, V.N.

Eye injuries in forest industries and measures for their prevention. Vest. oft. no.4:48-50 '61. (MIRA 14:11)

1. Glaznoye otdele niye (zav. M.I. Amosov) Pervoy arkhangel'skoy gorodskoy klinicheskoy bol'nitsy.
(EYE—WOUNDS AND INJURIES)
(WOOD-USING INDUSTRIES—ACCIDENTS)

MOZHAYTSEV, V.N.

Active detection of glaucoma in a rural area of the north, Vest.
cft. no.3:34-37 My-Je '62. (MIRA 15:8)

1. Krasnoborskaya rayonnaya bol'nitsa Arkhangel'skoy oblasti.
(KRASNOBORSK DISTRICT (ARCHANGEL PROVINCE)--GLAUCOMA)

MOZHAYTSEV, V.N. (Arkhangel'sk)

Rendering ophtalmic service to the rural population of the
North. Zdrav. Ros. Feder. 7 no.5: 42 My'63. (MIRA 16:6)
(KRASNOBORSK DISTRICT—EYE CARE AND HYGIENE)

SOLECHNIK, N.Ya.; LASKEYEV, P.Kh.; NOVOSEL'SKAYA, A.I.; MOZHE, Z.V.

Theoretical bases of the preparation of chips for milling.
Nauch. trudy LTA no.98:27-36 '62. (MIRA 15:12)
(Hardboard)

SOLECHNIK, N.Ya.; LASKEYEV, P.Kh.; MOZHE, Z.V.

(Cold alkaline process for birch and pine firewood chips.
Nauch. trudy LTA no.98:53-59 '82. (MIRA 15:12)
(Hardboard)

MOZHERENKO, A.N., kapitan 1-go ranga; YURASOV, R.N., kapitan-leytenant

Patriotic initiatives should be given an active support and
wide propagation. Mor. sbor. 47 no.11:10-13 N '63. (MIRA 16:11)

MOZHETYKIN, S.

Our contribution to technological improvements. Zhil.-kom.
khoz. 4 no.7:7-9 '54. (MLRA 8:1)

1. Slesar' Stalinskoy vodoprovodnoy stantsii Moskvy.
(Moscow--Water--Purification)

MOSEVITINOV, A.L.

[Hydroelectric-station dams] Plotiny gidroelektricheskikh stantsii.
Leningrad, Gos. energ. izd-vo, 1952. 74 p.
(MLRA 7:1)
(Dams)

~~MOZHEVITINOV, A.L.; KRUKOVSKIY, M.Ya., redaktor; ZABRODINA, A.A., tekhnicheskij redaktor; VORONIN, K.P., tekhnicheskij redaktor.~~

[Hydroelectric plant spillways and discharge pipes] Vodosbrozy i vodospuski gidroelektricheskikh stantsii. Moskva, Gos. energ. izd-vo, 1953. 70 p. (V pomoshch' gidroenergeticheskim stroikam, no. 19)
(Hydroelectric power stations) (Spillways) (MLRA 7:9)

112-57-8-16377

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 8, p 50 (USSR)

AUTHOR: Mozhevitinov, A. L.

TITLE: Principal Lines of Today's Development of Design and Research Work at
the Gidroenergoprojekt Institute (Osnovnyye napravleniya sovremenennogo
razvitiya proyektno-izyskatel'nykh rabot instituta Gidroenergoprojekt)

PERIODICAL: Tr. 2-go nauch.-techn. soveshchaniya po proyektir. i str-vu
gidroelektrostantsiy (Transactions of the Second Scientific and Engineering
Conference on the Design and Building of Hydroelectric Stations), Moscow-
Leningrad, 1956, pp 171-195

ABSTRACT: Common aims of all modern projects are maximum lowering of costs
and construction time, increased reliability and improved operating conditions
of hydroelectric stations. The need for drastic increase of prospective de-
signing, for mapping out a complex utilization of water flows, etc., is noted.
Many designs of modern hydropower developments include a hydroelectric sta-
tion building combined with spillways or with an overflow dam. The use of
combined types of hydroelectric stations results in shortening the overflow

Card 1/2

112-57-8-16377

Principal Lines of Today's Development of Design and Research Work at the

front, in cutting the volume of concrete work, and in stepping up the head during the high-water period. Gidroenergoprojekt has designed about thirty large hydroelectric stations of the combined type. A number of the combined stations under construction are described. Other questions examined include: automation of hydro stations; use of ESh-14/75, ESh-10/65 and ESh-4/40 heavy stepping excavators; use of pre-stressed concrete and armoring (packages, nets, lattice-type packages, armored units, and armored frameworks) in the construction of hydroelectric stations; new techniques in designing and standard designs; mechanization of explorations, etc. Some shortcomings in organization of design of hydropower developments are noted; complaints of the designers about the builders of hydroelectric stations are put on record; and other suggestions of the Gidroenergoprojekt designers are submitted.

Yu. M. S.

Card 2/2

MOZHEVITIMOV, A. L., kand.tekhn.nauk

Hydraulic stability of hydro plants with surge tanks on
the derivation conduit and the tailrace. Izv.VNIIG 58:
52-63 '58. (MIRA 13:7)
(Hydroelectric power stations)

MOZHEVITINOV, A.L., kand.tekhn.nauk

Applying basic methodological principles of technical and
economic calculations to power engineering. Gidr. stroi.
(MIRA 13:9)
30 no. 9:25-27 S '60.
(Hydraulic engineering—Economic aspects)

MOZHEVITINOV, A.L., prof.

Analytical determination of the trajectories of the principal
stresses in triangular dams. Izv. VNIIG 73:75-84 '63
(MIRA 18:1)

ZAKHAROV, V.P., doktro tekhn.nauk (Alma-Ata); MOZHEVITINOV, A.L., prof. (Leningrad);
GRANSKIY, I.N., kand.tekhn.nauk (Tashkent); TROITSKIY, A.V., inzh.
(Tashkent)

Methodology for determining the economic efficiency of hydroelectric
power stations. Elektrичество no.3:91-93 Mr '63. (Mir 16:4)
(Hydroelectric power stations)

Bil'khev, Aleksey Nikitovich, kand. tekhn. nauk; M. HEVITNOV,
A.L., red.

[Machine building of hydroelectric power stations and
their equipment] / I.I. vye i tekhnika giproelektricheskikh
stantsii i ikh ogranichenii. - Moscow, zanevo perer. i dop.
Moskva, Gostekhizdat, 1951. (MIRA 17:10)

MCGARRY, J. D.

Ammonia

Burning of ammonia in the air. Khir. v shkole No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

1. MOZHEY, P. D.
2. USSR (600)
4. Chemistry - Experiments
7. Class demonstration of experiments on combustion of some substances, Khim. v shkole., No. 6, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

MOZHEY, P.D. (g.Ysohkar-Ola)

A demonstrating experiment on preparing hydrochloric acid by synthesis.
Khim.v shkole 10 no.5:55-56 S-0 '55. (MLRA 8:11)
(Hydrochloric acid)

MOZHEY, P.D. (g.Ioshkar-Ola)

Combustion and explosion demonstrations. Khim.v shkole 11 No.2:
51-55 Mr-Ap '56. (NUBA 9:7)
(Chemistry-experiments)

MOSHEV, P.D. (Yoshkar-Ola).

Changes in some chemical demonstrations. Khim.v shkole 11 no.6:
48-52 E-D '56. (MLRA 9:12)
(Chemistry--Experiments)

MOZHEY, P.D.

MOZHEY, P.D. (g.Yoshkar-Ola)

Apparatus for preparing synthetic hydrochloric acid. Khim.v.
shkole 12 no.6:43 N-D '57. (MIRA 10:12)
(Chemical apparatus) (Hydrochloric acid)

L 00008-66 EMT(4)/EMT(5)/EMT(k)/EMT(b)/EMT(l)
ACCESSION NR: AR5008446

UR/0271/65/000/002/A035/A035
621.398.694

43

3

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika.
Svodnyy tom, Abs. 2A208

AUTHOR: Levin, M. I.; Semko, Yu. I.; Semenov, V. F.; Solodov, Yu. S.;
Yevtikhiev, N. N.; Mosheiko, A. A.

TITLE: Measuring units of the "Tsentrtekhnika" system

CITED SOURCE: Tr. Mosk. energ. in-ta, vyp. 52, 1963, 133-146

TOPIC TAGS: supervisory control system / Tsentrtekhnika system

TRANSLATION: Measuring units are described of the "Tsentrtekhnika" supervisory control system. The system is designed for operation with several types of thermocouple sensors, resistance thermometers, and differential-transformer sensors. For each type, special measuring units have been developed which connect the sensor output with the nonelectric measurands and convert them into a binary digital code. Each measuring unit is constructed as a separate adapter which includes all measuring elements. By means of a special plug-and-socket

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L 00008-66
ACCESSION NR: AR5008446

device, the adapters are connected to the system circuit. All measuring units convert the deviation of the measurand from its normal value into a digital code. The measured difference between the present and the normal values is converted into the code by means of a developing discrete transformation. Special individual settings are used to obtain signals corresponding to normal values. Figs. 8. Bibl. 4.

SUB CODE: IR

ENCL: 00

Card 2/2

IAKUSHEV, Aleksandr Ivanovich; VASIL'YEV, D.T., kandidat tekhnicheskikh
nauk, reteenent; MOZHEYKO, A.F., inzhener, retsensent; ROZENBLIT,
Ya.M., inzhener, redaktor; PSTRIV, I.A., redaktor; ZUBAYEV, I.M.,
tekhnicheskiy redaktor.

[Influence of the manufacturing process and basic threading factors
on the durability of threaded joints] Vlijanie tekhnologii izgotovle-
niia i osnovnykh parametrov rez'by na prochnost' rez'bovykh soedinenii.
Moskva, Gos.izd-vo obor.promyshl., 1956. 188 p. (MLRA 9:5)
(Screw threads)

IDZON, Mikhail Fridmanovich; MOZHEYKO, A.F., inzh., ratsenzer; OSTROV, N.M., inzh., red.; ANIKINA, M.S., red.iad-vs.; ORESHKINA, V.I., tekhn. red.

[Machining blades of gas turbine engines] Mekhanicheskaya ob-
rabotka lopatok gazoturbinnikh dvigatelei. Moskva, Oborongiz,
1963. 319 p. (MIRA 16:5)
(Gas turbines--Blades) (Metal cutting) (Automation)

ALEKSANDROVICH, Kh.M.; PAVLYUCHENKO, M.M.; MOZHEYKO, V.F.

Studying rheological properties of heavy suspensions. Dokl. AN
BSSR 6 no.3:168-171 Mr '62. (MIRA 15:3)

1. Institut obshchey i neorganicheskoy khimii AN BSSR.
(Flotation)

ALEKSANDROVICH, Kh.M.; MOZHEYKO, F.F. [Mazheika, F.F.]; PAVLYUCHENKO, M.M.
[Pauliuchenka, M.M.]

Effect of certain reagents on the properties of heavy suspensions.
Vestsi AN BSSR. Ser. fiz.-tekhn. nav. no.2:58-65 '64.
(MIR 18:1)

ALEKSANDROVICH, M.A.; ...; ...; ...
NOZREYEV, F.F. ...; ...

Effect of certain reagents on the physicochemical properties
of clay rocks of Starobin potassium deposits. Vestsi AN BSSR
Ser. fiz.-tekhn. nav. no.4:73-77 '64. (MIRA 18:3)

COZHENKO, V. A.

DEZHNEV, V. A. -- "On radiochemical methods of separating hydrocarbons in waters as exemplified by the Yakutsko-Sib.," Ph.D. thesis, Moscow Inst. of Technology, after Steklov, 1957. (Dissertation for the degree of Doctor of Technical Sciences).

At: Vesnernaya osliva, Saratov - 800 - 12

MOZHAYKO, I.A., kand. tekhn. nauk (Tiraspol'); CHERKASKE, I.P., inzh. (Tiraspol')

Measures for the melioration of the floodlands of small rivers in
Moldavia. Gidr. i mel. 16 no. 10-14 Ag 1980 (Tiraspol')

MOZHEYKO, Igor' Vsevolodovich; DAVIDSON, A.B., ovt. red.; RIVKINA,
O.S., red.izd-va; MIKHLINA, L.T., tekhn. red.

[This is Ghana] Eto - Gana. Moskva, Izd-vo vostochnoi lit-ry,
1962. 127 p. (MIRA 16:4)
(Ghana—Description and travel)

MOZHEYKO, Igor I. Vsevyl'shchennye vyan. v. A. N., otd. med.; Nauka i tekhnika.

[Not only memory...]. - Chelyabinsk: Izdatelstvo Nauk. i Tekhn. Akademii... , 1965. - 134 p.

KRASNIKOV, A.B., inzh.; MOZHEYKO, L.I., inzh.

New drainage machines. Stroi. i dor. mash. 10 no.3:13-14 Mr '65.
(MIRA 18:5)

MOZHEYKO, L.N.

U S S R .

Thermal decomposition of alkali lignin. V. N. Sergeeva and L. N. Mozheiko. *Voprosy Lesokhim. i Khim. Drevessiny, Trudy Inst. Lesokhoz. Problemy Akad. Nauk Latv. S.S.R.* 6, 29-37 (1959) (in Russian); cf. Freudenberg and Adam, C.A., 55, 6090. — Alkali lignin (I), obtained in 18% yield from spruce sawdust by cooking 6 hrs. at 170° with 5% NaOH followed by 20% H₂SO₄, pptn., is more resistant to high temp. than is acid lignin. The residue, after pyrolysis of I in H or by ordinary dry distn., contained about 80% of phenols and compds. with CHO and C:O groups. Decompn. of I during pyrolysis in H is ascribed to cleavages occurring at some of the ether linkages in I; in dry distn. they occur at linkages between C and O and are followed by oxidation of mol. fragments.

Elisabeth Barnabash

MOLHEYKO, L. N.

✓ 30. Semi-indirect method of determining cellulose and pentoses in wood /S. N. Mozheiko and V. R. Venozens (Inst. of Wood Economy Problems Acad. Sci. LatvSSR). *Zhur. Anal. Khim.*, 1957, 12 (9), 260-261. The material is treated in a special apparatus with a mixture of 8 ml of ethanol and 2 ml of cone. HNO_3 , and the residue is washed and dried to give the raw cellulose content. The cellulose is distilled with $NaCl$ and HCl , and furfuraldehyde is determined in the distillate. C. S. Smith

5
HE2C

4E3
4E1

BB
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INSTITUTE, L.N., Acad Sci--(L.S.) "The effect of temperature and
time of growth on the quantitative ratio of cellulose to lignin,
and on the nature of lignin in ~~the~~ ^{older} short (Populus tremula L.)."
41 pp. 125 . 31 pp. full-text (Acad Sci Latvian SSR. Inst of Forest Engg
Problems), RGO copies (L.S., L-1, 13V)

-15-

MOZHEYKO, L.N.; YAUNZEMS, V.P.

Semimicromethod for determining uronic acids by high-frequency titration. Gidroliz.i lesokhim.prom. 12 no.3:7-9 '59.

(MIRA 12:6)

1. Institut lesokhozyaystvennykh problem AN Latviyskoy SSR (for Mozheyko). 2. Rizhskiy politekhnicheskiy institut (for Yaunzems).
(Uronic acids)

GERSHOV, M.M.; MAMONTOVA, L.D.; MATIS, V.A.; MOZHENKO, N.N.

Using reduction-oxidation process in bleaching wool caps. Leg. prom.
18 no.2:36-37 F '58. (MIRA 11:2)
(Bleaching)

S/080/62/035/003/020/024
D204/D302

AUTHORS: Dubrovo, S. K., Lileyev, I. S., Mozheyko, V. I., and
shmidt, Yu. A.

TITLE: Glasses with increased heat stability for chemical
laboratory ware and apparatus

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 3, 1962, 660-671

TEXT: The object of the present work was to prepare low-borate
glasses with increased thermal shock resistance, applicable to
the above uses. The range of compositions tried was (wt.%): SiO_2
72.5 - 75.0, Al_2O_3 6.0 - 7.8, B_2O_3 3.2 - 4.0, BaO 5.0, CaO 0 - 1.7,
 Na_2O 5.0 - 7.8, Li_2O 0.5 - 1.0, CaF_2 0 - 2.5. BaO may be replaced
by SrO . The glasses were fused at 1500 - 1520°C and their coefficients of linear thermal expansion (α), softening temperature,
tendency towards crystallization and chemical stability were measured. Two of these glasses, AT-24 (SiO_2 75.0, Al_2O_3 8.0, B_2O_3 3.2,

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Glasses with increased ...

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D204/D302

BaO 4.8, CaF₂ 1.7, Na₂O 6.8 and Li₂O 0.5) and BT-24 (VT-24) (SiO₂ 72.6, Al₂O₃ 6.8, B₂O₃ 4.0, BaO 5.0, CaO 0.5, CaF₂ 2.5, Na₂O 7.8, Li₂O 0.75) were prepared on a larger scale in the Druzhnaya Gorka glassworks and were there shaped into articles. It was found that $\alpha_{20-400^{\circ}\text{C}}$ was $53-60 \times 10^{-7}/^{\circ}\text{C}$ [Abstracter's note: cm/ $^{\circ}\text{C}$?] $^{\circ}\text{C}$, the softening temperatures were $\sim 570^{\circ}\text{C}$ and there was no tendency towards devitrification. The glasses were stable to distilled water and 1N H₂SO₄ on prolonged boiling, but less so to 2N NaOH. All At-24 ware withstood quenching through 170 $^{\circ}\text{C}$, whilst VT-24 was only slightly less shock resistant. Thermal shock resistance was thus superior to that of glass no. 23 and 29 produced at the D.G. works and to Y-32(Ts-32) glass. The same physico-chemical tests were carried out on commercial glasses for comparison. The results are briefly discussed and it is concluded that the glasses developed are suitable for production of chemical glass ware and appa-

Card 2/3

Glasses with increased ...

S/080/62/035/003/020/024
D204/D302

ratus. There is 1 table and 2 Soviet-bloc references.

SUBMITTED: May 30, 1961

Card 3/3

Металлургия, 1958

137-58-3-5082

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 89 (USSR)

AUTHORS: Mozheyko, Yu. P., Chizhov, S. G., Filina, I. S.,
Lisitsyn, V. D.

TITLE: Automation of Cold-stamping Processes (Opyt avtomatizatsii
kholodnoshtampovochnykh protsessov)

PERIODICAL: V sb.: Kuznechno-shtampovochn. proiz-vo. Leningrad,
Lenizdat, 1957, pp 165-176

ABSTRACT: Description of automatic punches, automatic presses, and
an automatic production line; their adoption promoted an in-
crease in labor productivity and resulted in a reduction of
manufacturing costs .

Ye.L.

Card 1/1

AUTHORS:

Lisitsyn, V. D., Mozheyko, Yu. P. SOV/119-58-8-3/16

TITLE:

An Automatic Line for the Production of Relay Contact Springs by Cold Punching (Avtomacheskaya liniya dlya izgotovleniya releynykh kontaktnykh pruzhin kholodnoy shtampovkoy)

PERIODICAL:

Priborostroyeniye, 1958, Nr 8, pp. 11-15 (USSR)

ABSTRACT:

In the "Krasnaya Zarya" Works (Leningrad) an automatic line for the production of relay contact springs of all types and sizes was constructed and put into operation. The technical data are as follows:

Total number of presses	13
distance between operating positions	228 mm
step of transporting device	114 mm
power of head-press	8 t
power of operative press	1,5 t
total number of electromotors	2
total power output of electromotors	3,4 KW
working cycle of the line	0,77 sec
computed output per shift	33000 springs
length of the machine	4,2 m

Card 1/2

SOV/119-58-8-3/16

An Automatic Line for the Production of Relay Contact Springs by
Cold Punching

width of the machine
height of the machine
weight of the machine

0,955 =
1,650 m
1,6 t

By using this line it was possible to reduce the operating staff one tenth of its former number. The working space needed is now only 52 m² (formerly 208 m²), and only one twelfth of the former amount of electric energy is now used.
Detailed drawings of the following parts are given:
1) plan of punching, 2) general survey, 3) kinematic scheme,
4) cyclogram and graph of operation, 5) a view showing the mechanical introduction of the silver wire, 6) total view of the punch used for the forming of silver contacts.
There are 9 figures.

1. Springs--Production 2. Electric relays--Equipment 3. Industrial production--Statistical analysis

Card 2/2

L 5283-66 EWT(m)/EWP(t)/EWP(k)/EWP(b)/EWA(h)/EWA(c) SOURCE CODE: UR/0286/65/000/014/0110/0110
ACC NR: AP5022040 JD/HW

AUTHORS: Mosheyko, Yu. P.; Rosental', N. K.

ORG: none

TITLE: A method for extruding metallic details. Class 49, No. 173107 [announced by the Leningrad Order of Lenin Factory "Krasnaya Zarya" (Leningradskiy ordena Lenina zavod "Krasnaya Zarya")]

SOURCE: Byulleten' izobreteniij i tovarnykh znakov, no. 14, 1965, 110

TOPIC TAGS: metal extrusion, metal pressing, metal forming

ABSTRACT: This Author Certificate presents a method for extruding metallic details with a die and a plunger. To lower the necessary specific pressure and to increase the efficiency of the process, the die is forced to move in the direction toward the metal flow with a velocity exceeding that of the metal flow.

SUB CODE: IE, MM/

SUBM DATE: 07Dec62/

ORIG REF: 000/

QTH REF: 000

0701049/

LEVIN, M.I.; SEMKO, Yu.I.; SEMENOV, V.F.; SOKOLOV, V.A.; YEVTEKHOV,
N.N.; MOZHEYKOV, A.A.

Measuring units of a centralized automatic control system.
(MIRA 18:9)
Trudy MFI 52:133-M6 '63.

10416-67 EWT(d)/EWT(m)/EWP(y)/EWP(k)/EWP(h)/EWP(l) DJ
ACC NR: AP6029956

SOURCE CODE: UR/0413/66/000/015/0135/0136

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AUTHORS: Mozheyko, Yu. P.; Rozental', N. K.

ORG: none

TITLE: A hydraulic device for extruding metallic details. Class 49, No. 184595
[announced by Leningrad Order of Lenin Factory "Krasnaya zarya" (Leningradskiy ordena
Lenina zavod "Krasnaya zarya")]

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 135-136

TOPIC TAGS: metal extrusion, hydraulic equipment, hydraulic device

ABSTRACT: This Author Certificate presents a hydraulic device for extruding metallic details. The device contains a hydraulic cylinder supporting a plunger, and a die-holder with a die. To produce a die displacement velocity greater than the velocity of metal feed and to lower the necessary power of the device, the latter is provided with piston-carrying rods. The pistons are mounted in the through openings in the plungers and are rigidly fixed with the dieholder.

SUB CODE: 13/ SUBM DATE: 07Dec62

UDC: 621.226:621.777

Card 1/1^{5m}

L 7938-66

EWT(d)/EWP(1) IJP(c) BB/GG

ACC NR: AP5023653 SOURCE CODE: UR/0119/65/000/008/0012/0014

AUTHOR: Kneppo, P. L.⁴⁴ (Engineer); Mozheyko, A. A.⁴⁴ (Engineer);
Semenov, V. F. (Engineer)

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Q3

ORG: Moskovskiy energeticheskiy institut (Moscow Power-Engineering Institute)⁴⁴

TITLE: High-speed voltage-to-number transistorized converters

SOURCE: Priborostroyeniye, no. 8, 1965, 12-14

TOPIC TAGS: transducer, converter, analog digital converter 16c, 44

ABSTRACT: The development of two laboratory models of a voltage-to-number converter is reported. Each model comprises these conventional units: a number-to-voltage converter, a pulse distributor, a balance detector, and a logical circuit. The first model includes a 16-digit binary-decimal scaler and a 40-kc-band balance-detector amplifier; the second model has a 12-digit binary scaler and a 400-kc-band amplifier. Component data is detailed. These

Cord 1/2

UDC: 621.314.1:621.315.592